

## OPINION 1913

***Pila* Röding, 1798 and *Pomacea* Perry, 1810 (Mollusca, Gastropoda): placed on the Official List, and AMPULLARIIDAE Gray, 1824: confirmed as the nomenclaturally valid synonym of PILIDAE Preston, 1915**

**Keywords.** Nomenclature; taxonomy; Gastropoda; *Pila*; *Pomacea*; *Ampullaria*; *Ampullarius*; AMPULLARIIDAE; PILIDAE; apple snails; agricultural pests.

**Ruling**

- (1) It is hereby confirmed that the family-group name AMPULLARIIDAE Gray, 1824 is the nomenclaturally valid synonym of PILIDAE Preston, 1915.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
  - (a) *Pila* Röding, 1798 (gender: feminine) (senior objective synonym of *Ampullaria* Lamarck, 1799), type species by subsequent designation by Dall (1904) *Helix ampullacea* Linnaeus, 1758;
  - (b) *Pomacea* Perry, 1810 (gender: feminine), type species by monotypy *Pomacea maculata* Perry, 1810.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
  - (a) *ampullacea* Linnaeus, 1758, as published in the binomen *Helix ampullacea* (specific name of the type species of *Pila* Röding, 1798);
  - (b) *maculata* Perry, 1810, as published in the binomen *Pomacea maculata* (specific name of the type species of *Pomacea* Perry, 1810).
- (4) The name AMPULLARIIDAE Gray, 1824, type genus *Ampullaria* Lamarck, 1799 (a junior objective synonym of *Pila* Röding, 1798), is hereby placed on the Official List of Family-Group Names in Zoology.
- (5) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
  - (a) *Ampullaria* Lamarck, 1799 (a junior objective synonym of *Pila* Röding, 1798);
  - (b) *Ampullarius* de Montfort, 1810 (an unjustified emendation of *Ampullaria* Lamarck, 1799 and a junior objective synonym of *Pila* Röding, 1798);
- (6) The name PILIDAE Preston, 1915 is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology (a junior objective synonym of AMPULLARIIDAE Gray, 1824 and invalid by the ruling given in (1) above).

**History of Case 2996**

An application to place *Pila* Röding, 1798 and *Pomacea* Perry, 1810 on the Official List as the valid names for, respectively, Old and New World genera of apple snails, and to confirm AMPULLARIIDAE Gray, 1824 as the valid family name, was received from Dr Robert H. Cowie (*Bishop Museum, Honolulu, Hawaii, U.S.A.*) on 15 August 1995. After correspondence the case was published in BZN 54: 83–88 (June 1997). Notice of the case was sent to appropriate journals.

It was noted on the voting paper that there had been much and persistent confusion in the literature in the use of the family-group names AMPULLARIIDAE Gray, 1824 and PILIDAE Preston, 1915, and the generic names *Pila* Röding, 1798, *Ampullaria* Lamarck, 1799, *Pomacea* Perry, 1810 and *Ampullarius* Montfort, 1810. As apple snails were becoming increasingly serious pests, particularly in south-east Asia, it was important to establish unambiguous names for the family and the Old and New World groups of species. *Pila* and *Pomacea* were the senior names for the Old and New World genera respectively, and AMPULLARIIDAE was the senior name for the family; in each case the names had majority usage.

The application was offered for voting in two parts. Vote (1) was the proposal to place the generic names *Pila* and *Pomacea*, together with their respective type species, on Official Lists, and to place the junior objective synonyms *Ampullaria* and *Ampullarius* on the Official Index (proposals (2), (3) and (5) on BZN 54: 86). Vote (2) was the proposal to place AMPULLARIIDAE on the Official List as the valid family-group name, and to place its junior objective synonym PILIDAE on the Official Index (proposals (1), (4) and (6) on BZN 54: 86). Since the application sought the placing on the relevant Official Lists of the oldest generic and family-group names a simple majority would suffice in each case.

### Decision of the Commission

On 1 September 1998 the members of the Commission were invited to vote on the proposals published in BZN 54: 86. At the close of the voting period on 1 December 1998 the votes were as follows:

Vote 1. Affirmative votes — 18: Bock, Bouchet, Brothers, Cocks, Cogger, Eschmeyer, Kabata, Macpherson, Mahnert, Martins de Souza, Mawatari, Minelli, Nielsen, Nye, Papp, Patterson, Savage, Štys

Negative votes — 2: Dupuis and Schuster.

Vote 2. Affirmative votes — 16: Bock, Bouchet, Brothers, Cocks, Eschmeyer, Kabata, Macpherson, Mahnert, Martins de Souza, Mawatari, Minelli, Nielsen, Nye, Papp, Schuster, Štys

Negative votes — 4: Cogger, Dupuis, Patterson and Savage.

No votes were received from Lehtinen, Kerzhner, Kraus and Song.

Hepell and Ride were on leave of absence.

Dupuis commented: 'Il est présomptueux de rejeter un nom dû à Lamarck (1799) et confirmé par lui en 1801 dans le chef-d'oeuvre classique de son *Système des animaux sans vertèbres*. Il est singulier de vouloir lui préférer un nom générique publié, sans diagnose et par un auteur obscur (P.F. Röding) dans un catalogue de vente ignoré durant 150 ans. Puisqu'il faut, bien entendu, conserver AMPULLARIIDAE, il serait contradictoire de supprimer *Ampullaria*. La proposition que je rejette n'a pas d'autre fondement que l'Opinion 96 laquelle, à mon avis, représente une faute comme toute Opinion qui adopte ou rejette en bloc un ouvrage alors que la Commission ne devrait s'occuper que de noms'.

### Original references

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

*ampullacea*, *Helix*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 771.

- Ampullaria* Lamarck, 1799, *Mémoires de la Société d'Histoire Naturelle de Paris*, 1: 76.
- AMPULLARIIDAE Gray, 1824, *Philosophical Magazine and Journal*, 63(312): 276.
- Ampullarius* de Montfort, 1810, *Conchyliologie systématique, et classification méthodique des coquilles*, vol. 2, pp. 242 (fig.), 243 (text).
- maculata*, Pomacea, Perry, 1810, *Arcana; or the Museum of Natural History*, pl. 11 and text.
- Pila* Röding, 1798, *Museum Boltenianum*, part 2, p. 145.
- PILIDAE Preston, 1915, *The fauna of British India, including Ceylon and Burma*. Mollusca, vol. 4 (Freshwater Gastropoda & Pelecypoda), p. 96.
- Pomacea* Perry, 1810, *Arcana; or the Museum of Natural History*, pl. 11 and text.

The following is the reference for the designation of *Helix ampullacea* Linnaeus, 1758 as the type species of the nominal genus *Pila* Röding, 1798:

Dall, W.H. 1904. *Journal of Conchology*, 11(2): 53.